

**BARRACKS – 1<sup>st</sup> BDE  
FY03-PN10538  
FORT RILEY, KANSAS  
DACA41-02-B-0003**

**QUESTIONS AND ANSWERS  
SET 2 – Feb 18**

30. There are 3 parts; (Barracks & Soldier Community Bldg.), (Battalion HDQTRs) & (Company Operations Facility) On the first portion, the one-line shows 3 Pad-mount transformers ("Barracks 7002A", "Barracks 7002B", and "Soldier Community Building". The drawings only show plans for a Barracks and a Company Operations Facility. Are there 2 identical Barracks?

**The buildings with transformers and their sizes are shown on the site plan. The site plans are as follows:**

- 1. Volume 1 Sheet C10.1 for Barracks (2 Buildings) and SCB**
- 2. Volume 2A Sheet C10.1 for 2 Company Operations Facility**
- 3. Volume 2A Sheet C10.2 for 4 Company Operations Facility and Battalion Headquarters**
- 4. Volume 2A Sheet C3.5 for Dining Facility Chiller Transformer**

31. Also, the drawings for the other 2 parts show pad-mounts, but there is no Schedule for these, and the drawings don't show the KVA or Voltage. Are these to be part of the contract, and if so, can you provide more information? See Drawing CE5.1 for the Battalion Headquarters and Drawing AE5.1 for the Soldier Community Building.

**Transformer sizes are shown on site plans see above.**

32. Also, Specification sections 16415A-28 and 16415A-47 cover motor control. In the drawings all of the motor starters are shown in the mechanical drawings M11.1 thru M11.7. This is confusing. Are the motor starters to be supplied by the mechanical contractor or the electrical contractor? Section 16415 2.14.2 states that combination starters shall be provided with circuit breakers. Drawings M11.1 thru M11.7 show non-fused disconnects instead of breakers. I'm confused as to which way to quote ( assuming I am quoting as part of the electrical package. )

**It is the responsibility of the prime contractors to coordinate who is providing equipment.**

**All motor starters are shown by location on the electrical plans or in the MCC one line diagrams. The motor starters should be circuit breaker type per the specification. The**

disconnect shown on the mechanical control schematics are not labeled as any particular type and is just indicating that there is a disconnect included.

33. Question No. 11 on the "Questions and Answers" document requires the contractor to give the Government 90 days to occupy the completed Barracks and 90 days to occupy the completed Battalion Headquarters prior to start of demolition of existing buildings.

Will the Government consider extending the performance period 90 days to allow this transition to take place? We believe this additional time will help the Government keep costs in check by alleviating potential tight scheduling requirements and possible overtime.

Amendment 0002 addresses the change to the construction duration from 720 days to 900 days.

34. Could you please tell me the type and count of Fire Extinguishers and cabinets in the COF buildings since they are not shown on the plan drawings anywhere?

Amendment 0003 will address this issue.

35. I would like to propose Tnemec product as an alternate or equal spec for the Fort Riley project.

We can't accept bid alternates prior to award. If the contractor believes the product meets all physical property and performance of the specifications, he can submit it under normal submittal procedures during construction.

36. The plants on sheet C12.1 Company Operations Facility plan are not labeled.

Amendment will be issued to identify trees and/or shrubs.

On sheet C12.1 Barracks there is a reference to the size of the gravel that is to be used as a mulch. The size is 150mm (about 6") which seems to be quite large. Other plans say to use river run gravel. We use a river run gravel that is  $\frac{3}{4}$ " to 1  $\frac{1}{2}$ " in diameter. This is what is typically used around here. What do you really want?

The size of gravel isn't correct. C12.1 shows 150 mm, but should be 25 mm in diameter. River run is fine.  
Issue clarification by amendment.

Are we supposed to put cypress mulch saucers around each tree?

Mulch saucers are required around the trees as shown by the details on C13.1. The mulch bed area around shrubs are shown on sheet c12.1 (volume 1). Mulch bed area should be taken as 150 mm outside the steel fence posts.  
Issue clarification by amendment.

Is there only one gravel bed around the spirea on sheet C12.1 Barracks and if so how many square meters of bed area are there? Are there any other beds?

The bed of gravel should be 75 mm thick. This note is called out on C12.1

Do we use anything to edge the bed or is it spade cut only?

Metal edging is required as denoted on sheet C13.1

Is there any seeding on this project or is it all sodded? Will there be any swales to seed?

The areas shown sodded shall be sodded. All other areas are to be turfed as lawn areas (seeded). There are swales and they are called out to be seeded.

It is stated on sheet C12.1 Barracks that there are approximately 1800 square meters of sod area. Is this all the sod on the entire project or is this just the number for the area located around the barracks?

The 1800 sq. meters to be sodded are for just volume 1 (which is the barracks/scb). Volume 2A areas are shown to be sodded/seeded but there isn't a quantity provided.

Where are the planter boxes that are referenced on sheet C12.1 Barracks? I need to know how many square feet or meters there are so I can figure out soil and mulch numbers.

The planter boxes are shown on C12.1. They are also called out on c3.1 site plan as they are site features. Both drawings are scaled and the boxes can be scaled off the drawings.

37. Contractor had a question on spec section 10520, pg 2, par 2.1 Fire Extinguisher Cabinet.  
J.L Industries Ambassador does not have a cabinet series list for No. 1917L22 or 1917S21. Is this a typo? Should the no's have a "0" in lieu of the number "9"?

**The company is right. Cabinet numbers are incorrect. I have to change #1917L22 and #1917S21 to #1017L22 and #1017S21. Issue clarification by amendment.**

38. As to the glass specification for each window, for each building, please confirm or correct the following:  
COF's- Laminated Insulated Glass(See description spec. sect. 8810)

**This is correct**

Barracks- 25mm Insulated Glass (Window Marks "G's","H", "J", "K")  
Window Mark "L"-6.35mm Wire Glass  
Battalion HQ-Insulating Glass(See description spec. sect. 8810)

**This is correct**

Soldier Community Building-25mm Insulated Glass in Window Marks "A", "B", "C" exterior windows, 6.4mm tempered glass for interior Window Marks "A1", "D", "E", "F", "G".(See description spec. sect. 8810)

**This is correct**

There is a note under window Mark "C", page AA6.3, Soldier Community Building that states, Tinted insulating glass has exterior pane of tinted tempered glass and interior pane of clear laminated safety glass (Re: Spec.8810).

**This is correct.**

What window(s) does this pertain to?

**All exterior windows in Barracks Complex including COFs and BHQ have tinted insulating glass.**

Also, interior window Mark "D" is listed as an aluminum frame per sheet AA6.3, Soldier Community Building. Is this correct?

**Yes, they are only in vestibule.**

or is it to be HM like window marks "E" through "G"?

**No**

39. Typical Utility Rooms i.e. 119A, 121A etc do not show up on the room finish schedule?

**They are shown on A9.1**

40. Sheet BA3.5 Det 3&4 indicate a wall 5B. The wall types do not indicate a Wall 5B?

**Clarify by amendment 3. 5B is missing in Type 5 on Drawing A3.1 its note should be changed to "stair side has 2 layers of GWB reinforced fire-rated."**

41. Sheet BA3.5 Det 1 above "Second Floor EI 13715" and the same is indicated on the door on first floor there is an indication for "Two Layers of GWB", however, the wall only indicates one layer which is correct?

**Two layers of reinforced gypsum and regular gypsum on 92mm studs "shall replace the old note and another line for second layer shall be added by amendment 3."**

42. Sheet BA7.1 & BA8.1 show a soffit above cabinets. Reflected ceiling plan BA5.1 does not indicate any soffit, which is correct?

**Correct by amendment 3.**

43. Sheet BA3.2 Det 1 shows "13mm Ext. Sheathing" 1 layer on each face of stud.

**Correct by amendment 3 to show arrow indicator at exterior side of stud not interior side of stud.**

44. Det 2 the area above the window shows only one layer on the outside of the studs and Det 3 the wall shows only one layer on the outside of the studs.

**Correct by amendment 3.**

45. Sheet BA1.4 Det 2 shows "16MM M.R. GWB" with an arrow pointing to the wall outside the bathroom?

**Correct by amendment 3. It is correct in that detail but arrow indicator for 16mm GWB shall be deleted at the bath.**

46. Sheet BA1.4 refers to the same detail only the enlarged tub detail which shows "16MM M.R. GWB TO BE TERMINATED AT TUB LIP" The specifications Division 9 Section 09250 page 10, paragraph 3.2.4.

**Revise paragraph 3.2.4 of the specifications by amendment.**

47. We are not sure the wording is correct is the intent to install? Glass matt water-resistant gypsum tile backing board in areas of tubs, shower enclosures, saunas, steam rooms, gang showers.

Revise 09250 by amendment. Tubs and showers have corian wall panel. Water resistant gypsum board in all other areas to receive wall tile. Yes.

48. Is it the intent also to cut a ripper at areas the Tile Base?

The Contractor is responsible for construction methods.

49. Several of the wall type 1 both in the enlarged plan on sheet of COF buildings sheet AA1.2 appear to be larger i.e. the wall that runs between Maint Equip Maint A113 and rooms A113-A117-A115-A114 and Mech A123 and A117-A116-A115 and A115-B115?

Clarify by amendment.

50. The wall between A113 and A112-A111-A107 calls for a Wall Type as there is no ceiling in A113 and A112 and ceiling A111 and A107 what holds the insulation in place. Would a Wall Type 1 work?

Clarify by amendment.

51. Specification section 10260 names Construction Specialties, Inc or equal.

This specification will be reissued by amendment 3.

52. I am confused about how to determine the horsepower of the various motors which are requiring starters?

For some motors the starter is located in a MCC. The motor sizes are listed next to the motor symbol on the one-line of each building.

The one- lines would be on sheets

Volume 2B AE5.1 and BE5.1

Volume 2C CE5.1

All other combination starters that are shown in plan view are labeled and circuited. Loads can be taken from panelboard schedules

Volume 1 AE5.1, or BE8.1, BE8.2

Volume 2B AE8.1, AE8.2 or BE8.1

Volume 2C CE8.1

Horsepower can be obtained from mechanical equipment schedule on the following sheets

|           |                 |
|-----------|-----------------|
| Volume 1  | M10.1 and M10.2 |
| Volume 2B | M10.1           |
| Volume 2C | CM10.1          |

53. I need to know how you plan on double stacking lockers that are 2000mm high (x2 – 4000mm) in rooms that have a 2450mm high ceiling?

Amendment 3 will change lockers to single stacking.